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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/641,302	08/15/2003	In Tae Hwang	2101-3355	3551		
35864, 7590 6728422098 LEE, HONG, DEGERMAN, KANG & SCHMADEKA 660 S. FIGUUROA STREET			EXAM	EXAMINER		
			DUONG, CHRISTINE T			
Suite 2300 LOS ANGELI	S. CA 90017		ART UNIT	PAPER NUMBER		
	, 0		2616			
			MAIL DATE	DELIVERY MODE		
			07/24/2008	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) HWANG, IN TAE 10/641,302

Office Action Summary						
Office Action Gammary	Examiner	Art Unit				
	CHRISTINE DUONG	2616				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ac	ldress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Estensions of time may be available under the provisions of 37 CFR 1.15. - If NO period for reply is a specified above, the maximum statutory period of the poly within the set or extended period for reply with 15 yealstude. Any reply received by the Office later than three months after the mailing carried patter term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this o D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 03 Ap	oril 2008.					
2a) This action is FINAL. 2b) ☑ This	action is non-final.					
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the	e merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Discountification of Obstance						
Disposition of Claims						
4) Claim(s) <u>23-29 and 40-45</u> is/are pending in the						
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
Claim(s) is/are allowed.						
6) ☐ Claim(s) <u>23-29 and 40-45</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreigna) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	ı-(d) or (f).				
 Certified copies of the priority documents have been received. 						
Certified copies of the priority documents	s have been received in Applicati	on No				
Copies of the certified copies of the prior	•	ed in this National	Stage			
application from the International Bureau						
* See the attached detailed Office action for a list	of the certified copies not receive	d.				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da					

Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Tischoser Statement(s) (PTO/95/08) Paper No(s)Mail Date	4) Interview Summary (PTO-413) Paper No(s)Mail Date 5) Velice of Informal Pater L Application 6) Other:	
S. Retent and Trademark Office		

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

 A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02 May 2008 has been entered.

Response to Amendment

This is in response to the Applicant's arguments and amendments filed on 03 April 2008 in which claims 23-29, 40-45 are currently pending.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

 Claims 23-26 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 23-26 are directed to forming a data structure without a utility.

Claim Objections

- 4. Claim 43 is objected to because of the following informalities: it is suggested to replace "the time resource request" in line 5 with --a time resource request--.
 Appropriate correction is required.
- 5.

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6. Claim Rejections - 35 USC § 103

 Claims 23, 27, 40, 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tran et al. (US Patent No. 5,541,924) in view of Jamal (US Patent No. 5,754,537).

Regarding claims 23, 27, 40, 43, Tran et al. discloses a method of transmitting data in a wireless communication system:

forming a data frame in a mobile station having a header portion and a data portion ("header segment, typically consists of routing and identification information, and also include all or the first portion of the packet the subscriber unit is transmitting" column 3 lines 59-62), wherein the header portion has at least a first field to indicated to the network that the data frame has a time resource request ("the access request, referred to as the header segment" column 3 lines 58-59), and a third field to contain control information necessary to process the data portion ("the remainder of the uplink time slot may include error detection bits that are the result of a Cyclic Redundancy Check (CRC) 218 computation" column 3 lines 64-67);

transmitting the data frame to the network ("sending a header segment in the selected uplink time slot" column 4 lines 52-54);

allocating the time resource responsive to the time resource request by the network ("determining, on the same numbered downlink time slot of the next TDMA frame, whether the subscriber unit has gained access to the uplink channel" column 4 lines 60-63);

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receiving an indication at the mobile station of the allocated time resource ("where the subscriber unit has gained access to the uplink channel" column 4 lines 63-64);

transmitting the data frame from the mobile station to the network ("transmitting the packet on the selected uplink time slot" column 4 lines 64-65).

However, Tran fails to specifically disclose a second field to contain an amount of time resource required.

Nevertheless, Jamal discloses "a logical channel field Cf1 identifying the type of logical channel (e.g. speech data or background noise data) for which a mobile station is requesting access, a field Cf2 identifying the transmitting mobile station and a field Cf3 identifying the number of TDMA time slots per frame required for the TDMA channel being requested" (column 6 lines 45-51).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have a second field contain an amount of time resource required because "the system can determine if the required number of time slots are available for each access request in the queue" (column 6 lines 55-57).

Regarding claim 26, Tran and Jamal discloses everything claimed as applied above (see claim 23). In addition, Tran discloses transmitting the data frame to a base station ("sending a header segment in the selected uplink time slot" column 4 lines 52-54).

 Claims 24, 28, 41, 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tran et al. and Jamal further in view of Buchholz et al. (US Patent No. 5,440,545). Application/Control Number: 10/641,302
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Regarding claims 24, 28, 41, 44, Tran and Jamal discloses everything claimed as applied above (see claims 23, 27, 40, 43 respectively).

However, Tran and Jamal fails to specifically disclose the control information indicates the data frame is one of a plurality of fragmented data frames.

Nevertheless, Buchholz discloses in fig. 6 total fragment field 640 and fragment number field 650.

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have the control information indicate the data frame is one of a plurality of fragmented data frames because "the information (message data) portion of a data packet originated by an originating device is too large to fit into the message data portion of packets utilized by intermediate relay stations" (column 1 lines 37-40).

 Claims 25, 29, 42, 45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tran and Jamal further in view of Diachina (US Patent No. 5.610.917).

Regarding claims **25**, **29**, **42**, **45**, Tran and Jamal discloses everything claimed as applied above (see claims **23**, **27**, **40**, **43** respectively).

However, Tran and Jamal fails to specifically disclose the control information indicates that the data frame is a retransmission of an earlier frame.

Nevertheless, Diachina discloses "a 0 in the initial/repeat field 14 indicates that the channel burst is being transmitted for the first time, while a 1 in the initial/repeat field 14 indicates that the channel burst is being retransmitted" (column 4 lines 64-67).

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Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have the control information indicate that the data frame is a retransmission of an earlier frame because it will "recognize whether the received burst is an initial transmission burst or a repeat transmission burst" (column 4 lines 60-62).

Response to Arguments

 Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTINE DUONG whose telephone number is (571)270-1664. The examiner can normally be reached on Monday - Friday: 830 AM-6 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Seema S. Rao/ Supervisory Patent Examiner, Art Unit 2616

/Christine Duong/ Examiner, Art Unit 2616 07/17/2008